

What is claimed is:

1. A channel card for communicating asymmetric digital subscriber line (ADSL) traffic over a communication line, the channel card including:
 - an asynchronous transfer mode (ATM) section providing an interface to a cell bus of a chassis and providing ATM processing of cells; and
 - a transceiver section, coupled to the ATM section, the transceiver section including at least one subscriber port, the transceiver section providing for modulation and demodulation of data for the at least one subscriber port, the transceiver section including a common mode choke for reducing noise on the communication line.
2. The channel card of claim 1, wherein the ATM section includes:
 - a cell bus interface that is adapted to be coupled to a cell bus;
 - an ATM processor, coupled to the cell bus, for processing cells; and
 - an ATM transport convergence layer, coupled to the ATM processor, that provides an interface between the transceiver section and the ATM processor.
3. The channel card of claim 1, wherein the transceiver section includes:
 - a transformer that provides line matching for the transceiver section;
 - a protection circuit that provides surge protection for the transceiver section; and
 - wherein the transformer is coupled in series with the common mode choke and the protection circuit.
4. The channel card of claim 3, wherein the common mode choke comprises a transformer with a first winding in series with a tip connection of the transceiver section and a second winding in series with a ring connection of the transceiver section.
5. The channel card of claim 3, wherein the common mode choke comprises an inductive choke element.

6. A method for reducing common mode noise on a communication line carrying asynchronous subscriber line (ADSL) signals, the method comprising:
- receiving ATM cells having data for transmission over the communication line;
 - processing the cells to remove the data;
 - preparing the data for transmission as ADSL signals over the communication line;
- and
- passing the ADSL signals through a common mode choke to reduce noise in the ADSL signals prior to transmission.